

example.R

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```
# R scrip to illustrate CA1
```

```
# load packages
```

```
library(tidyverse)
```

```
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
```

```
## v dplyr      1.1.4      v readr      2.1.5
```

```
## v forcats    1.0.0      v stringr    1.5.1
```

```
## v ggplot2    3.5.2      v tibble     3.3.0
```

```
## v lubridate  1.9.4      v tidyr      1.3.1
```

```
## v purrr      1.1.0
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

```
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()     masks stats::lag()
```

```
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
# load data
```

```
df <- read_rds("data/parties.rds")
```

```
# quick look
```

```
glimpse(df)
```

```
## Rows: 555
```

```
## Columns: 10
```

```
## $ country      <chr> "Albania", "Albania", "Albania", "Argentina", "Ar~
```

```
## $ year          <dbl> 1992, 1996, 1997, 1946, 1951, 1954, 1958, 1960, 1~
```

```
## $ average_magnitude <dbl> 1.00, 1.00, 1.00, 10.53, 10.53, 4.56, 8.13, 4.17, ~
```

```
## $ eneg          <dbl> 1.106929, 1.106929, 1.106929, 1.342102, 1.342102, ~
```

```
## $ enep          <dbl> 2.190, 2.785, 2.870, 5.750, 1.970, 1.930, 2.885, ~
```

```
## $ upper_tier     <dbl> 28.57, 17.86, 25.80, 0.00, 0.00, 0.00, 0.00, 0.00~
```

```
## $ en_pres        <dbl> 0.00, 0.00, 0.00, 2.09, 1.96, 1.96, 2.65, 2.65, 3~
```

```
## $ proximity       <dbl> 0.00, 0.00, 0.00, 1.00, 1.00, 0.20, 1.00, 0.20, 1~
```

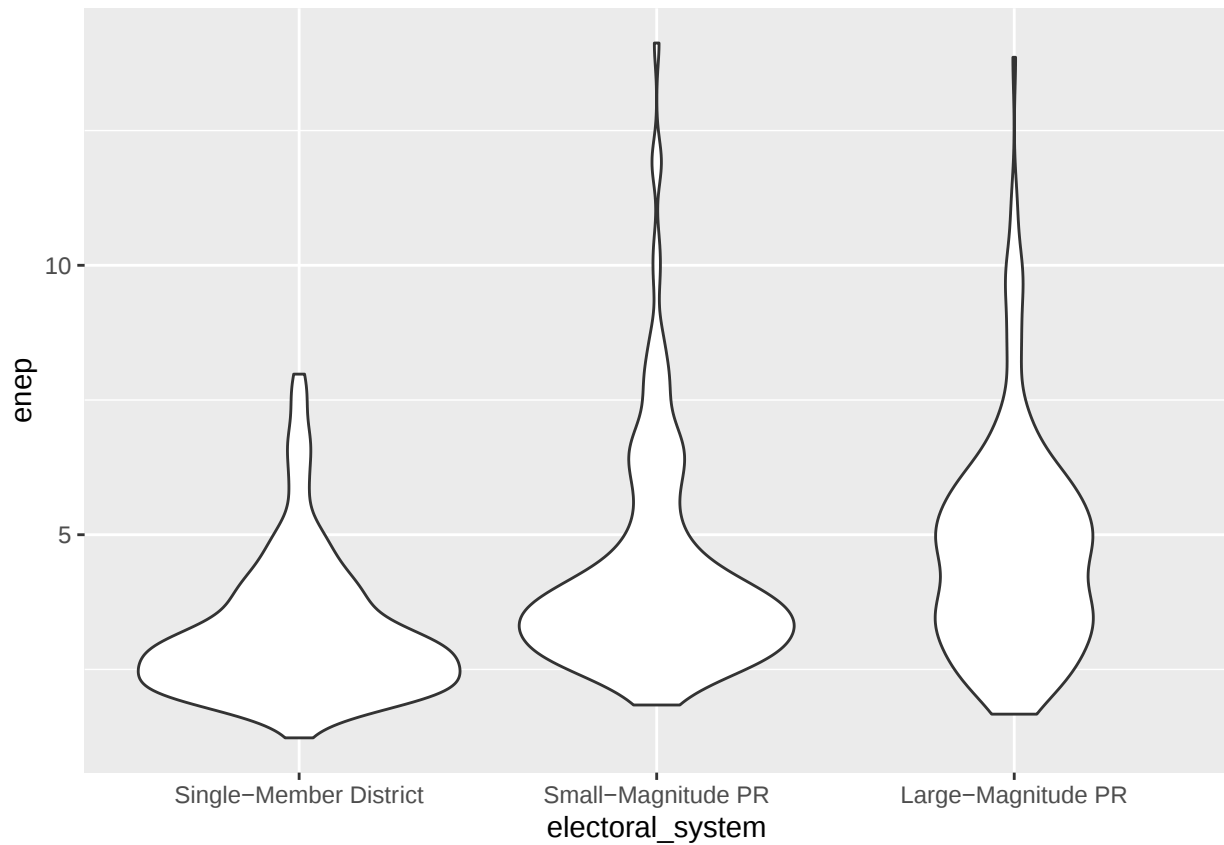
```
## $ social_heterogeneity <fct> Bottom 3rd of ENEG, Bottom 3rd of ENEG, Bottom 3r~
```

```
## $ electoral_system <fct> Single-Member District, Single-Member District, S~
```

```
# plot
```

```
ggplot(df, aes(x = electoral_system, y = enep)) +
```

```
  geom_violin()
```



```
# observation 1: Just write your observations at the bottom of the script like  
# this. If you want to "reflow" a script so that each line is the proper length  
# without having to many enter the line breaks, just highlight the comment, and  
# click *Code > Reflow Comment*. You'll get nice, equally-size lines, like  
# these.
```

```
# observation 2: ...
```

```
# observation 3: ...
```